Work Order ID 75183  October-18-11 2:53:33 PM			*7!	518	3.3*						Page 1	
Revision ID: Item Name:	D3319-1 Wearplate			Accept	7	*N900	040	100	<b>)</b> * s	Setup Sta		S1* S2*
	18/10/2011	Start Qty: 12.00	*12*			Cust Item I	D:					
Required Date: Reference:	04/11/2011	Req'd Qty: 12.00	*12*			Customer:						
Approvals:	Process Pla	an: M.C. 5	Date: (\ \ \ O \	\&Tooling:		Da	ate:	_	F	Run Sta	17	R1*
	QC:		Date:	_ SPC (Y/N):	_	D <sub>2</sub>	ate:			Sto	<sup>⁰</sup> *N	R2*
Sequence ID/ Work Center ID	)	Operation Description		Set Up/ Run Hou	ırs	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Rev	vision Nbr										
D3319	Rev	/ B										
100				0.00		100101 11 10						
*100*		FLOW WATER JET							B1-	10-28		
Waterjet		Memo		0.00					————			
FLOW CNC Waterje		1-Cut as per Dwg Rev: Prog Rev: 2-Deburr if n	<u>B</u>									
110		QC2- Inspect parts off ma	achine FAI/FAIB	0.00				·				
*110* QC Quality Control		Мето		0.00					<u>11311</u> .	-in - 3a	₹	
						-						
120		QC8- Inspect parts - secon	nd check	0.00								
*120*					i `ul	10/26.			(412)			
QC		Memo		0.00	- ' '	- (CO ~						
Quality Control												

Dart	<b>Aeros</b>	pace	Ltd
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W/O:			WO	RK ORDER CHANGI	ES				`*	· ·						
DATE	STEP	PRO	OCEDURE CHAN	IGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr *	Approval QC Inspector						
Part No	:	PAR #:	Fault Categ	ory:	NCF	R: Yes I	No DQA	۸:	Date:							
	R	esolution:	Disposition	:	_ QA:	N/C Clo	sed:		Date:							
NCR:		\	WORK ORDER NON-CONFORMANCE (NCR)													
DATE	OTED	Description of NC		Corrective Action Section	on B		Verific	ation	Approval	Approval						
DATE	STEP	Section A	Initial Chief Eng	Action Description  Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector						
									,							

Work Ord October-18-11		183		*751	83*						Page 2
Item ID: Revision ID:	D3319-1			Accept	*N900	040	1100	<b>)*</b> \$	Setup Star	I VI	S1*
Item Name:	Wearplate								Sto	<sup>p</sup> *N	S2*
Start Date:	18/10/2011	<b>Start Qty:</b> 12.00	*12*		Cust Item	ID:					
Required Date: Reference:	: 04/11/2011	Req'd Qty: 12.00	*12*		Customer:						
Approvals:	Process Pla	ın:	Date:	Tooling:	D	ate:	_	F	Run Stai	1/1	R1*
	QC:		Date:	_ SPC (Y/N):	D	ate:			Sto	*N	R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
*140 *140*		NC BRAKE		0.00				<b>5</b>			
Brake NC	_	Memo		0.00		r - 1		15			
Brake NC		1- Form using 2- Form flat of	DT8326 & DT8261 as an press using DT8776 bl	per Dwg D3319Rev: ock	- 560	(10/31		, s:			
150		QC6- Inspect dimensions t	o drawing	0.00				//			
*150* QC Quality Control	-	Memo		0.00				/\	. 1)	_10_	31 (1
		<b>X</b>									
160		Weld per dwg A/R Hardo	oat steel Batch:	0.00					•		<i>i</i> /
*160* Large Fab		Large Fab  Memo		0.00				(12)	MAY 12		(11/21
Large Fab		1- Layout weld	urface using DT8755 pomber Description	3319 using jig D3319-1T3 er QSI 004 and Dwg D331 Batch coat Rod M <u>//</u> 7/4/	9 Rev: <u><b>B</b></u>			•	•		/

## Dart Aerospace Ltd

W/O:			V	<b>VORK ORDER CHANC</b>	GES		i	•
DATE	STEP	PR	ROCEDURE CI	HANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\								*
								. "
							-	
Part No	:	PAR #:	Fault Ca	ntegory:	NCR: Yes	No <b>DQA</b> :	Date: _	
	R	esolution:	Disposi	tion:	QA: N/C CI	osed:	Date: _	
NCR:			WORK OR	DER NON-CONFORM	ANCE (NCR	3)		
DATE	STEP	Description of NC			ction B	Verification	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
						·		
		· •						
		·	:					:
	1				. [			

Work Ord		183		*75′	183*							Page 3
Item ID: Revision ID: Item Name:	D3319-1 Wearplate			Accept	*N900	<b>040</b>	100	)*	Setup S	Start Stop		S1* S2*
Start Date: Required Date: Reference:	18/10/2011	Start Qty: 12.00 Req'd Qty: 12.00	*12* *12*		Cust Item I Customer:	D:					IV.	7/
Approvals:		n:	Date:	Tooling: SPC (Y/N):	<u> </u>	ite:				Start Stop	_	R1* R2*
Sequence ID/ Work Center II  170  *170* QC Quality Control		Operation Description QC10- Inspect visual per Memo	QSI004- ground welds	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	t Reject Qty		leject lumber	Insp. Stamp
*1 A \ * QC Quality Control		QC5- Inspect part comple  Memo	teness to step on W/O	0.00 Sw	wzz		(	F12)	-	<del></del>		
190 <b>*100*</b> Powdercoat		Grey Sandtex(Ref:4.3.5.6)		0.00 FO 0.00			16	2x6	(M	7-L	_11/1	'1/2Q

Powder Coating

W

START TIME:
OVEN TEMPERATURE:
FINISH TIME:

11 -40 0.00

7 -10

Dart	Aerospace	Ltd	

W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CH	IANGE		Ву	Date C	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	Fault Ca	tegory:	NCR	:Yes N	lo DQA:		_ Date: _	······································	
	Re	esolution:	Disposit	ion:	QA:	N/C Clo	sed:		Date:		
NCR:			WORK OR	DER NON-CONFORM	MANCE	(NCR)					
DATE	STEP	Description of NC	Initial		ection B	Sign &	Verificati		Approval	Approval	
		Section A	Chief Eng	Action Description Chief Eng	1	Date	Section (	C	Chief Eng	QC Inspector	
				·							

Work Orde		183		*7518	33*							Page 4
Item ID: Revision ID: Item Name: Start Date: Required Date: Reference:	D3319-1 Wearplate 18/10/2011 04/11/2011	Start Qty: 12.00 Req'd Qty: 12.00	*12* *12*		*N900 Cust Item I Customer:		100	<b>)</b> *	Setup	Start Stop	I	S1* S2*
Approvals:	Process Pla	an:	Date:	Tooling:	D:	ate:	-		Run	Start	*N	R1*
••			Date:	SPC (Y/N):		ate:				Stop	*N	R2*
Sequence ID/ Work Center II 200 *200* QC Quality Control		Operation Description QC3- Inspect Part Finish Memo		Set Up/ Run Hours 0.00	Tool ID	Tool#	Plan Code	Accept Qty	Qty	,	Reject Number	Insp. Stamp
210 *210* Packaging Packaging		Packaging  Memo  Identify on integrating the state of the	side surface using a perm	0.00  0.00  nanent fine point marker with	the			_11/	11/23		Pa	)
<sup>220</sup> <b>*22∩</b> *		TCCA-PDA, 1 P/N: D3319-1	<u>19</u> 7	0.00						V	)	234
QC		Memo		0.00	•							

Quality Control

MJ-11-23

Dart Aero	space	Ltd
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W/O:		WORK ORDER CHANGES													
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector							
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	lo DQA:	Date: _								
	Re	esolution:					Date:								
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)										
DATE	STEP	Description of NC		Corrective Action Section	on B Sign &	Verification	Approval	Approval							
DATE	J	Section A	Initial Chief Eng	Action Description Chief Eng	Date	Section C	Chief Eng	QC Inspector							
								·							
	1		1 1			1									

Page 1

Work Order ID: 75183

\*75183\*

Parent Item:

D3319-1

\*D3319-1\*

Parent Item Name: Wearplate

Start Date: 18/10/2011

Required Date: 04/11/2011

**Start Qty: 12.00** 

Required Qty: 12.00

**Comments:** 

IPP: B05.10.14Added step 9, dwg rev B KJ/EC IPP Rev:C Now on Waterjet 06-10-26 JLM

	IPP Rev:C: Now o	n Waterjet 06-1	0-26 JLN	М									
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M1010S18GA		Purchased	No			100	sf	287.3000	0.628	7.932632			
*M1010S1	18GA*								**	1B11	-10-29	3	

\*M1010S18GA\*

Location	Loc Qty	Loc Code	
MAT019	287.3		
116268	21.5		
117806	265.8		117806



Dart Aerospace	≥ Ltd
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W/O:		WORK ORDER CHANGES								
DATE	STEP	PRO	CEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							-			
	:									
	:									
				· · · · · · · · · · · · · · · · · · ·						
Part No:		PAR #:	Fault Cate	gory:	_ NCR:	Yes N	lo DQA	:	_ Date: _	
	R	esolution:	Dispositio	n:	_ QA: I	VC Clo	sed:		Date:	
NCR:	•	V	VORK ORD	ER NON-CONFORM	ANCE	(NCR)				
DATE	STEP	Description of NC		Corrective Action Section B		Verification		Approval Approv	Approval	
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section		Chief Eng	QC Inspector
									:	

DART AEROSPACE LTD	Work Order:	75183
Description: Wearplate	Part Number:	D3319-1
Inspection Dwg: D3319 Rev: B		Page 1 of 1

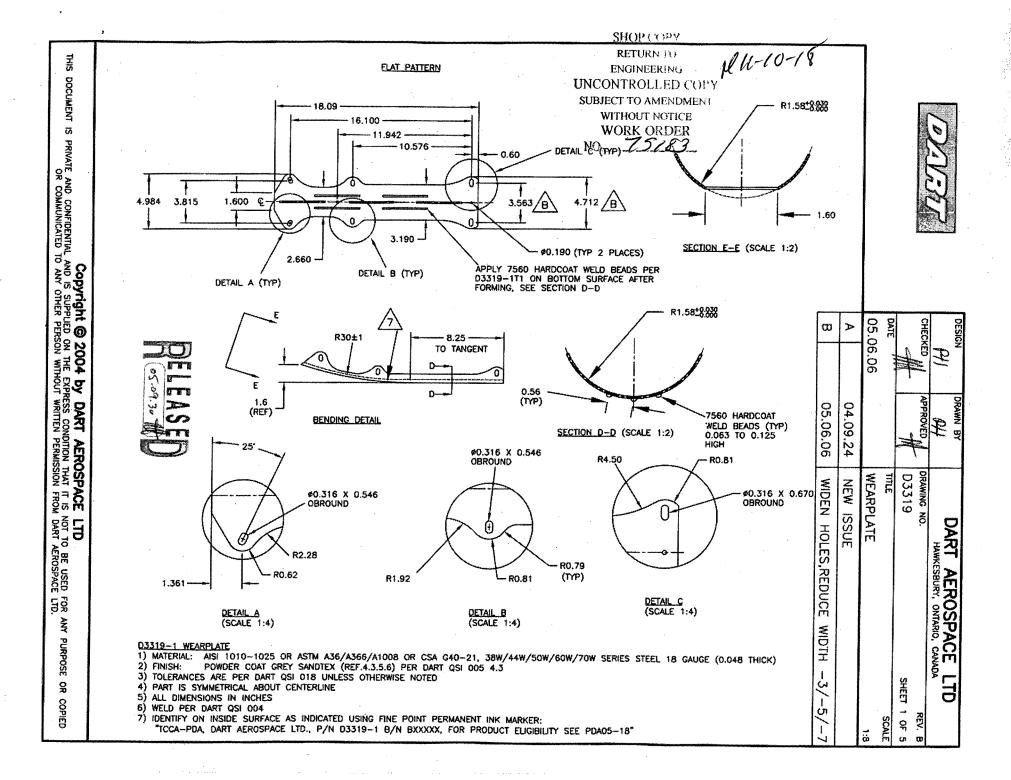
## FIRST ARTICLE INSPECTION CHECKLIST

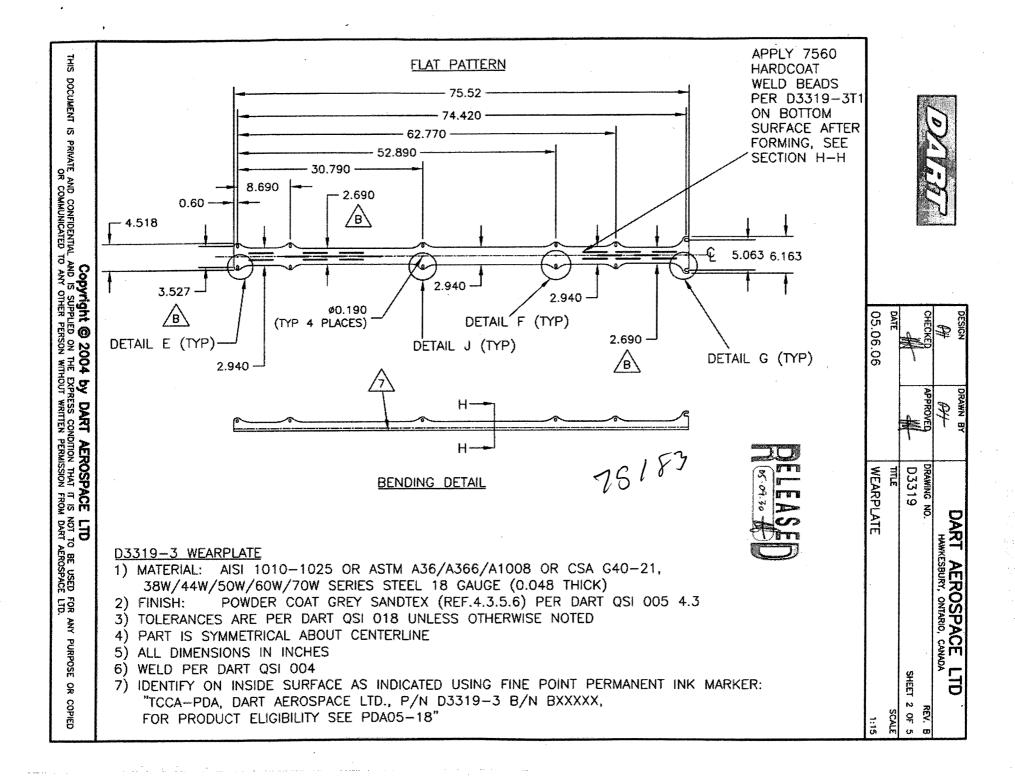
X First Article Prototype

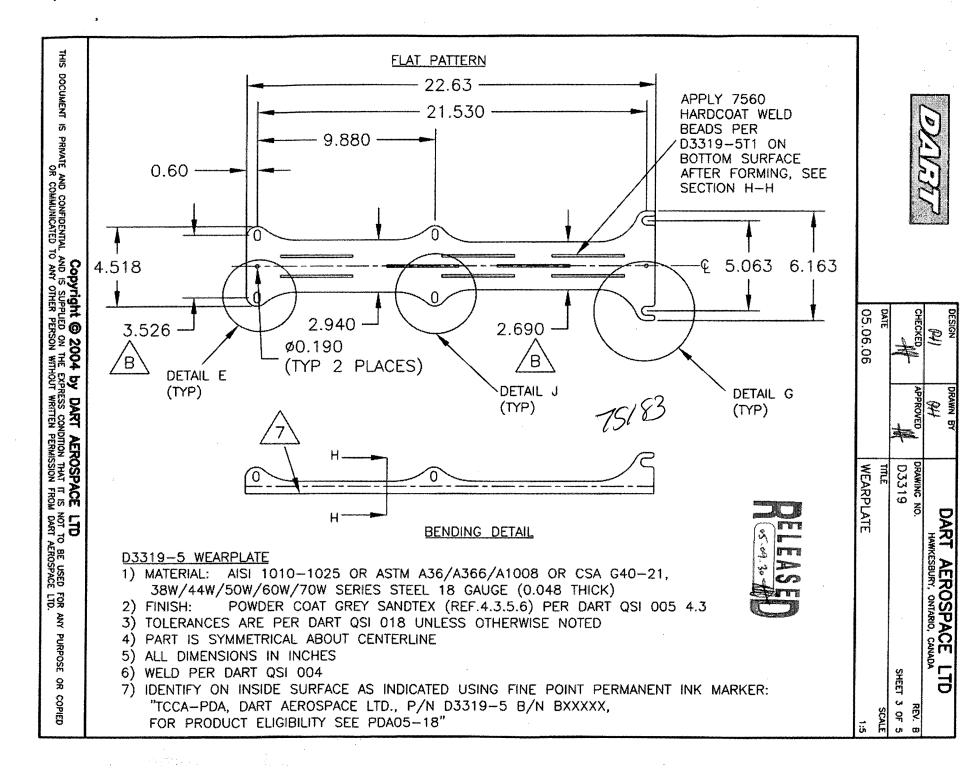
Drawing	Talanana	Actual		<b>D</b> 4	Method of	
Dimension	Tolerance	Dimension	Accept	Reject	Inspection	Comments
4.984	+/-0.010	4.981	>		U 1302	
1.600	+/-0.010	1.600	Y		V	
2.660	+/-0.010	G2D, C	1		V	
3.190	+/-0.010	3,195	2		V	
3.563	+/-0.010	3,561	7		V	
4.712	+/-0.010	4709	7		1	
0.60	+/-0.030	1666			1/	
10.576	+/-0.010	10.576	5		T 1301	
11.942	+/-0.010	11.942			7	
18.09	+/-0.030	18.09	2.		7	
Ø0.316 x 0.546	+0.006/-0.001 x +/-0.010	316×548	×		V	
Ø0.316 x 0.670	+0.006/-0.001 x +/-0.010	3152675	7	**************************************	V	1,000,00
Ø0.190	+0.005/-0.001	,191	7		V	
			<u>:</u>	1		
					•	

Measured by:	Audited t	ру: <u></u>	Prototype Approval:	N/A
Date:   (- (	0-78 Da	te: 11/10/28	Date:	N/A

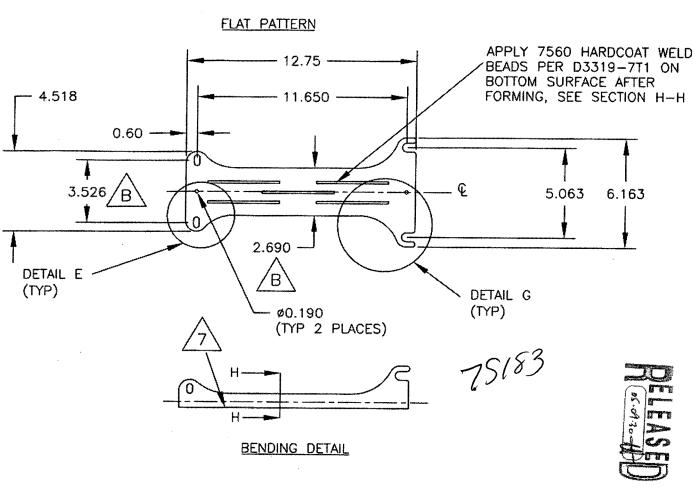
Rev	Date	Change	Revised by	Approved
Α	07.05.31	New Issue	KJ/JLM	all







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## D3319-7 WEARPLATE

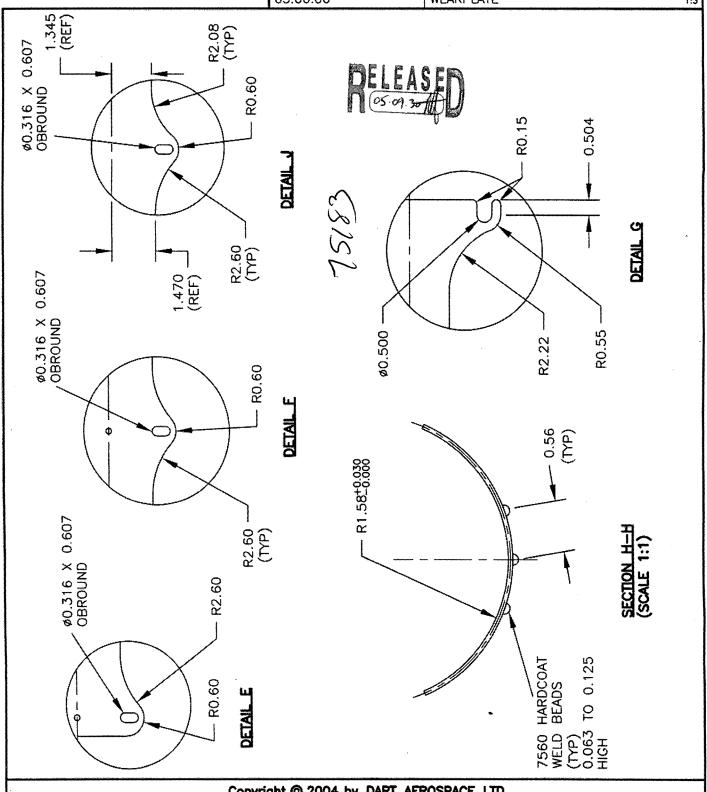
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W SERIES STEEL 18 GAUGE (0.048 THICK)
- 2) FINISH: POWDER COAT GREY SANDTEX (REF.4.3.5.6) PER DART QSI 005 4.3
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) PART IS SYMMETRICAL ABOUT CENTERLINE
- 5) ALL DIMENSIONS IN INCHES
- 6) WELD PER DART QSI 004
- 7) IDENTIFY ON INSIDE SURFACE AS INDICATED USING FINE POINT PERMANENT INK MARKER: "TCCA-PDA, DART AEROSPACE LTD., P/N D3319-7 B/N BXXXXX, FOR PRODUCT ELIGIBILITY SEE PDA05-18"



WEARPLATE 1:5		05.06.06	
TITLE		CRIE	
D3319 SHEET 4 OF 5	#	£	
DRAWING NO. REV. 8	APPROVED	CINEUXED	
HAWKESBURY, ONTARIO, CANADA	3	Supply 1	
DART AEROSPACE LTD	2	£	
	DRAWA DY	DESIGN	



DESIGN PH	DRAWN BY		OSPACE LTD ONTARIO, CANADA
CHECKED AL	APPROVED_A	DRAWING NO.	REV. 8
1 ar	#	D3319	SHEET 5 OF 5
DATE		TITLE	SCALE
05.06.06		WEARPLATE	1:3



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